



## Lesson:

### Create your Own Ecotone



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#### Introduction to the Lesson/Activity

The boundary between adjacent ecosystems is known as an ecotone. For example, the intermediary zone between a grassland and a forest constitutes ecotone

characteristics of both ecosystems. Using a Venn Diagram students will create your own Ecotone using pictures of words.  
Grade 1-12

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#### Objectives

Students will:

1. identify and define ecotone
2. recognize the different ecotones that are present at Chickasaw National Recreation Area.
3. give examples of ecotones.
4. associate plant and animal life related to a type of ecotone.

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#### Materials

Pencil

Venn Diagram – worksheet

<b>Activity</b>	<ol style="list-style-type: none"> <li>1. Remind students of the definition of ecotone. Definition <i>ecotone</i>- the transition zone between two different plant communities, as that between forest and prairie.</li> <li>2. Name each circle as an ecosystem. Such as forest, prairie, ect.</li> <li>3. Label the circles with the types of plants and animals that could be found in each ecosystem.</li> </ol>	<ol style="list-style-type: none"> <li>4. Identify the ecotone area- shade that area in and label it “ecotone”</li> <li>5. In the area labeled “ecotone,” identify the plants and animals that could be found in this transition zone.</li> </ol>
<b>Key Vocabulary</b>	Ecotone, Prairie, Grassland, Forest, Diversity, Community, Food Chain, Herbivore, Habitat,	Carnivore, Ecosystem, Omnivore, and Decomposer
<b>Essential Questions</b>	<i>What is the difference between an ecotone and a habitat?</i>	<i>What are an ecotone, herbivore, carnivore, omnivore, and decomposer?</i>
<b>Oklahoma Pass Standards</b>	<p><b>Grade 1- 3</b> Science Process Standard 2 &amp; Process Standard 4</p> <p><b>Grade 4-8</b> Science Process Standard 1 &amp; Process Standard 3</p> <p><b>Kindergarten</b> Modes and Forms of Writing: Standard 2 Research and Information Standard 8 Oral Language/Listening and Speaking: Standard 1, Standard 2, &amp; Standard 3</p> <p><b>Grade 1 – Life Science</b> - Standard 2</p> <p><b>Grade 2- Life Science</b> - Standard 2</p>	<p><b>Grade 3 - Life Science</b> - Standard 2</p> <p><b>Grade 4 – Life Science</b> - Standard 4</p> <p><b>Grade 5 – Life Science</b> - Standard 2</p> <p><b>Grade 6 – Life Science</b> - Standard 4</p> <p><b>Grade 7 – Life Science</b> - Standard 2</p> <p><b>Grade 8 – Life Science</b> - Standard 3</p> <p><b>High School – Environmental Science</b> - Standard 2 &amp; Standard 3</p> <p>Science Process Standard 1</p>
<b>Other Suggested Activities</b>	Food Web Endanger or Threatened Species Activities Recycling – Earth Day	Plants or Tree Identification Leaf Rubbing